Digital Camera

User's Manual

Welcome

This is a high-quality yet affordable digital camera that allows you to create, edit, share and send photos to your friends and family.

This camera is also not just a digital camera. It lets you record short segments of videos. What's more, it can be used as a Web camera when you connect it to a computer.

This easy-to-follow manual shows you how to use your new camera and install all the softwares included in the software CD-ROM. You'll find clear instructions on how to take pictures, record videos, and use your camera as a PC camera. Guidelines on how to use the software to transfer photos and video clips from the camera into your computer are also provided.

Whenever you want to send snapshots or short video clips via mails, create exciting photo albums, produce movies, or even chat with your friends or family face to face over the Internet, this digital camera gives you all the tools that you need.

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Attention

Please read through this manual carefully before using the camera and follow the instructions to avoid damages caused by improper operations.

Safety Precautions

The software CD-ROM packaged with the camera is designed for PC only. To play this CD-ROM on a stereo or CD player may cause damage to it.
This camera is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
Do not expose this camera under direct sunlight to avoid causing a fire.

Before Using Your Camera

●Try to take some pictures before you perform the formal recording.
Before taking pictures with this camera in any important occasion (such as a wedding ceremony or an overseas trip), do test the camera beforehand to ensure that it functions well. Any additional loss caused by the malfunction of this product (such as costs of photography or any loss of benefit generated by the photography) is not the responsibility of our company and no compensation will be given for it.

●Copyright information
Unless agreed by the right owner, all the pictures taken with this digital camera cannot be used in violation of copyright law. Moreover, when "No Photography" restriction is placed on site, you cannot record any live performance, improvisation or exhibits even for personal purpose. Any transfer of pictures or memory card with data must be conducted under the constraints of copyright law.

●Notes on the LCD (Liquid Crystal Display) monitor
1.If the liquid contacts the skin :
Please wipe dry the skin with a cloth and wash with large amount of water.
2.If the liquid gets in the eye :
Please immediately rinse with fresh water for at least 15 minutes and then consult with a doctor to receive treatment as soon as possible.
3.If anyone accidentally swallows the liquid :
Please rinse the mouth with water, drink large amount of water and receive treatment as soon as possible.

Operational Cautions

This product consists of intricate electrical parts. To ensure the photography normally, do not drop or hit the camera when taking pictures.
●Avoid to use or place the camera in the following locations:

1.Damp and dusty places.
2.Sealed vehicles or places exposed to direct sunlight or places subject to extremely high temperatures or heat.
3.Violently turbulent environment.
4.Locations full of smoke, oil fumes or steams.
5.Locations subject to strong magnetic field.
6.Raining or snowing environment.

●Do not open the battery cover when the power is on.
●If water has entered the camera, immediately turn the power off and remove the batteries.
●How to maintain your camera:
1.If lens or LCD monitor surface is dirty, please use lens brush or soft cloth to wipe clean instead of touching them with your fingers.
2.Do not use any solid object to hit the camera to avoid scratching the lens, or LCD monitor surface.
3.Do not use any detergent or volatile solution, which will subject the camera case and paint to solving or distortion. Use soft cloth only.

Package Contents

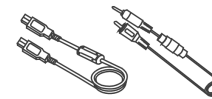
Please check if the following items are in the package when purchasing this product.

CD-ROM
(incl. Camera Driver & Application Software)

Pouch

Wrist Strap

2 x " AA"
Alkaline Batteries


USB Cable

TV OUT Cable

User's Manual

●CD-ROM (incl. Camera Driver & Application Software)
●Pouch
●Wrist Strap
●2 x "AA" Alkaline Batteries
●USB Cable
●TV OUT Cable
●User's Manual

Getting to Know Your Camera

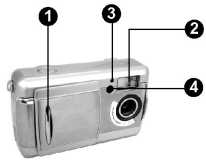
Camera Controls

Top View

❶ **Shutter**-Press the Shutter button to take pictures in Capture mode, and to start & stop recording movies in Movie mode.

❷ **Microphone**

Front View



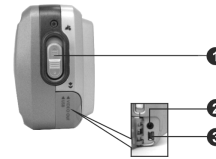
❶ **Power/Lens Cover-**Open/Close the lens cover to turn the digital camera on and off. You will hear two beep sounds when the power is on.

❷ **Flash**

❸ **Self timer LED**

❹ **Red-Eye Reduction LED**

Left Side View



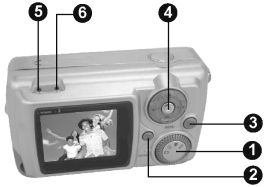
❶ **Macro Switch-**Adjust the camera lens to take close-up pictures (Macro mode) or portrait /scenery (Normal / Infinity mode).

Terminal Compartment
Located on the left side of the camera are the two ports for attaching the following cables: Video Output, USB. These ports will enable you to attach the appropriate cables from the camera to your computer, TV/VCR.

❷ **Video Output Port**- Used to hook your camera to a TV/VCR for viewing images stored in your camera.

❸ **USB Port** - Used to connect your camera to the computer through the USB cable. You can then transfer photos and recorded videos from the camera to your computer, or use the digital camera as a Web camera.

Rear View



❶ **Mode dial -** You can select the following modes by turning this Mode Dial:
1. Capture Mode (or PC Camera with USB connected)
2. Playback Mode (or Mass Storage Drive with USB connected)
3. Movie Mode (or PC Camera with USB connected)
4. SET Setup Mode (or PC Camera with USB connected)

❷ **Display Button -** The Display button provides 3 display types of the LCD (such as Normal / Full Screen / Off) in" Capture", "Playback" and "Movie" modes.

❸ **Menu Button-**You can enter detail Menu functions in "Capture" , "Playback" and "Movie" modes.

❹ **5-Direct Button-**The multi-function key set performs different operations in each mode, e.g. zoom, set , select ,move , ok .

❺ **Power LED-**As the camera power turned on, the power LED will light . It blinks and goes off when batteries exhaust.

❻ **Strobe LED-**When the strobe is charging, the LED blinks, it will light on when the strobe is ready, and turns off when the strobe is turned off.

Battery power level

Full battery power

Medium battery power

Low battery power

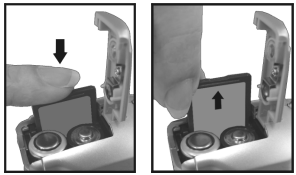
battery exhausted

Getting Started

Preparing Your Camera

●**Step 1** Insert two "AA" batteries into the battery compartment .

●**Step 2** When inserting SD/MMC memory card, follow the icon shown in the compartment to insert or remove the card push-and-pull.



Then, push the memory card all the way into the memory compartment and close the battery door, push the battery door down and then slide it closed.

> ***Note:*** *When memory card is inserted, internal 16MB flashmemory will be disabled no matter card is full or not.*

●**Step 3** Attach the wrist strap to the strap holder at the side of the camera as illustrated in the picture below.

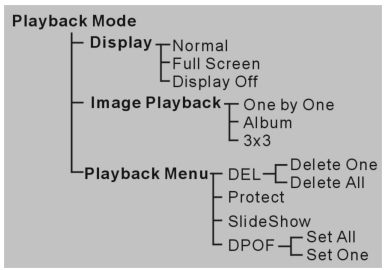
Start Using Your Camera

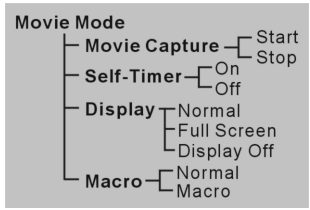
●**Step 1** Open the lens cover to turn on the camera. And Power LED will light on.

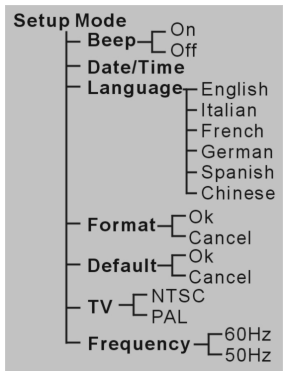
●**Step 2** The LCD Display will be turned on automatically.

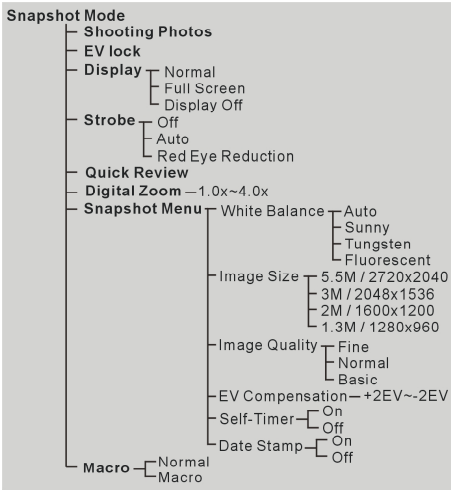
> ***Note:*** *The LCD Display will be turned off automatically if you do not operate Camera over 30 seconds, the Camera will be turned off automatically if you do not operate it over 60 seconds.*

Function Tree



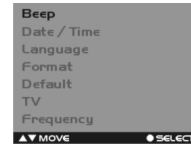






Setup Mode

Switch **Mode Dial** to **Setup Mode**



You can configure the basic settings for Camera:

1.Beep-Sound effective On/Off.
2.Date/Time-Date & time setting.
3.Language-Language setting: English/Italian/French/German/Spanish/Chinese.
4.Format-Formatting the internal Memory or external memory card.
5.Default-Reset to preliminary settings.
6.TV-TV output format setting : NTSC/PAL
7.Frequency-Fluorescent frequency : 50Hz/60Hz

Date /Time setting

●**Step1** Press ▲▼ to move to the **Date/Time** option.

●**Step 2** Press **OK** button to bring up the menu.

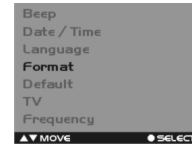
●**Step 3** Press ▲▼ to adjust Date/Time; press ◀▶ to select year, month, day, hour or minute.

●**Step 4** Press **OK** button to save your settings and then exit.

Formatting the Memory Card

You are suggested to format your SD/MMC memory card before using it to store pictures.

●**Step 1** Press ▲▼ to move down to the **Format** option.



●**Step 2** Press **OK** button to bring up the **"Cancel/OK"** Menu.

●**Step 3** To format the memory card, select "OK" on the screen and then press the OK button. You will hear a ring sound when you press it.

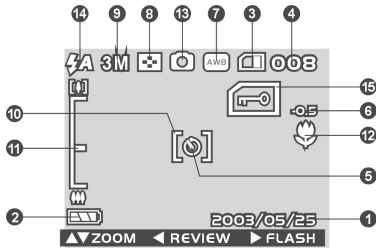
●**Step 4** The camera then begins formatting the memory card. Wait for the formatting process to finish.

●**Step 5** After the memory card has been formatted; all the pictures in the memory card will be deleted. And there is a message showing: **Format OK**

Capture Mode

Turn **Mode Dial** to **Capture Mode**

Status Identifier



❶ **Date Stamp** (Default is not displayed).
❷ **Battery Status Indicator:** (Full), Half, Low, Empty.
❸ **Memory Card Status:** Card inside Or Not.
❹ **Image Number.**
❺ **Self-timer Indicator.**
❻ **EV Level**
❼ **White Balance:** AWB Auto, Sunny, Tungsten, Fluorescent.
❽ **Image Quality:** Fine, Normal, Basic.
❾ **Image Size: 5.5M**(2720x2040), **3M**(2048x1536), **2M**(1600x1200), **1.3M** (1280x960).
❿ **EV Lock Indicator** (Press Shutter button half way).
⓫ **Zoom Lever:** (Normal), (4.0x Zoom).
⓬ **Macro Indicator**
⓭ **Mode Indicator**
⓮ **Flash Mode:** (OFF), A (Auto), (Red Eye).
⓯ **Warning:**
Card Lock , the sign shows up blinking as the Shutter Button pressed with the memory card locked physically.
Memory Full , the sign shows up blinking when the internal memory or the inserted memory card is full. Please notice that the capturing functions will not access when the Warning signals appear.

Shooting Photos

Taking pictures with your digital camera is a snap. Just point and shoot!

●**Step 1** Make sure the camera is turned on.

●**Step 2** Use the LCD display to frame the subjects you want to photograph.

●**Step 3** Press the Shutter button to take a picture.

The picture will remain on the display until it is stored in the memory. When the LCD Display resume, you may focus your next target to take the next picture.

Quick Review
Now that you have taken the photos, you can switch to Playback Mode to view them all or simply press the review button ↩ to review the photo taken last. Press the same key again to go back to Capture Mode.

To take close-up pictures

●**Step 1** Push the **Macro switch** downwards to select **Macro mode** to select Macro mode .The Macro indicator 🌷 on the LCD display will show , allowing you to take pictures at a closer range (between 15~20cm).

●**Step 2** To take pictures, follow the steps in the "Shooting Photos"section.

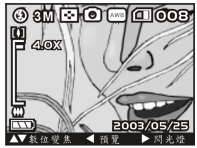
To take portrait and distant pictures

●**Step 1** Push the Macro switch upward. This sets the digital camera to normal mode, and the icon 🌷 on the LCD panel will disappear, allowing you to take pictures of people or sceneries which distance 1.2m~infinity.

●**Step 2** To take pictures, follow the steps in the "Shooting Photos"section.

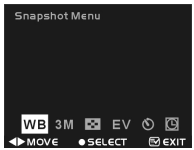
Digital Zoom

The Zoom Lever hides normally, press ▲▼ to enter **Zoom in / Zoom out** functions, the framed image can be zoomed between 1.0X ~4.0X.



Snapshot Menu

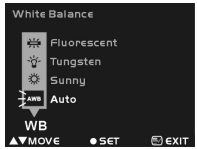
In **Capture mode**, press **Menu** button to enter **Snapshot Menu:**



White Balance Setting

●**Step 1** Use ◀▶ to select **WB** on the menu bar.

●**Step 2** Press **OK** button to enter White Balance setting menu.

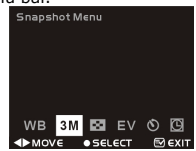


●**Step 3** You can use ▲▼ to select **Auto, Sunny, Tungsten**, and **Fluorescent**.

●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

Image Size Setting

●**Step 1** Use ◀▶ to select the image size icon on menu bar.



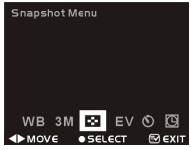
●**Step 2** Press **OK** button to enter **Image Size** setting menu.

●**Step 3** You can use ▲▼ to select:
1.3M : Fine quality, 1280*960 pixels
2M : Best quality, 1600*1200 pixels
3M : 3M Scale up, 2048*1536 pixels(firmware interpolation)
5.5M : 5.5M Scale up, 2720*2040 pixels (firmware interpolation)

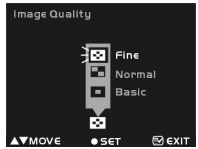
●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

Image Quality Setting

●**Step 1** Use ◀▶ to select ▪ on the menu bar.



●**Step 2** Press **OK** button to enter Image Quality setting menu.

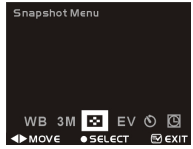


●**Step 3** You can use ▲▼ to select **Fine**, **Normal** and **Basic**

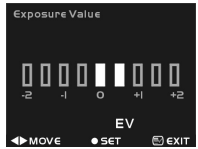
●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

Exposure Value Setting

●**Step 1** Use ◀▶ to select **EV** on the menu bar.



●**Step 2** Press **OK** button to enter **Exposure Value** setting menu.

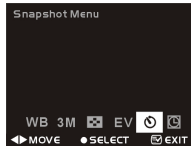


●**Step 3** You can use ◀▶ to set **-2EV, -1.5EV, -1EV, -0.5EV, 0EV, +0.5EV, +1EV, +1.5EV,**and **+2EV.**

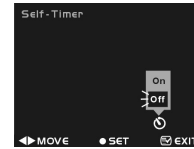
●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

Self-Timer Setting

●**Step 1 Use** ◀▶ to select ⏲ on the menu bar.



●**Step 2** Press **OK** button to enter **Self-Timer** setting menu.



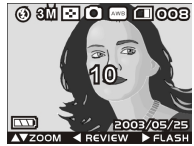
●**Step 3** You can use ▲▼ to select **ON**, **Off**.

●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

To Take a picture with self-timer

When the Self-timer function set On , a Self-timer icon ⏲ at center of the LCD display appears.

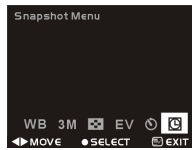
When shutter button pressed, the self-timer icon disappears while a number appears counting down from 10 with beep sounds and the self-timer LED blinks.



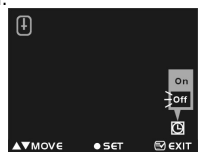
After count down to zero, the Camera will take one picture.

Date Stamp setting

●**Step 1** Use ◄► to move to on the menu.



●**Step 2** Press **OK** button to enter **Date Stamp** setting menu.



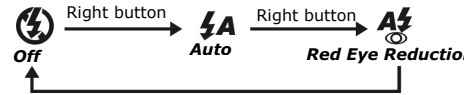
●**Step 3** You can use ▲▼ to select **ON**, **Off.**

●**Step 4** Press **OK** button to confirm your selection, or press **Menu** button to cancel it.

Note: *After setting date stamp on, the date will display on LCD panel, and stamped on captured pictures later.*

Flash function

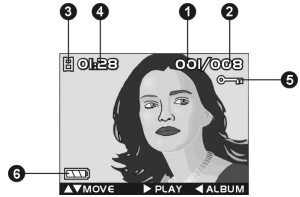
Flash function is active Only in **Capture Mode**, the **Flash** has three status, if press right button ▶, it can sequence into **Auto** , **Red Eye Reduction** and **OFF** status.



Playback Mode

Turn **Mode Dial** to **Playback Mode**

Status Identifier



❶ Image Number.
❷ Image Total.
❸ Movie file Indicator.
❹ Movie Length.
❺ Locking Indicator.
❻ Battery Indicator.

Image Playback

Press ▲▼ to playback the previous image or the next image.

Example:

Press **Up** button ▲ to view previous image:

Movie Playback

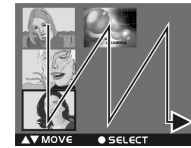
When it comes to movie files , the movie indicator appears on the up-left corner of screen , by pressing the Right button ▶ you can start playing the movie.Press **Enter** button to stop playing movie.

Album Function

●**Step 1** Enter **Playback Mode**.

●**Step 2** Press Left button ◀ to enter 3-frame Album function , which shows 3 images per page with a mid-size preview window. Use ▲▼ to change previewing images . (Pressing **ENTER** can return to Playback Mode which displays selected image with full screen.)

●**Step 3** Press Left button ◀ again to enter 3x3 Album, which supports to playback 9 images in a page, then use ▲▼ to select image.



●**Step 4** Press **ENTER** to playback selected image with full screen .

Playback Menu

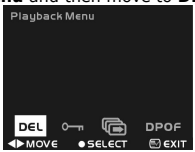
Deleting Photos

You can choose to delete a single photo or all the photos stored in the digital camera.

Deleting a Single Photo

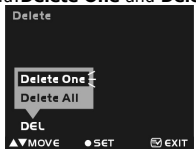
●**Step 1** Make sure that the camera is in playback mode.
Example: Move to the picture which is going to be deleted.

●**Step 2** Press the **Menu** button to enter **Playback Menu** and then move to **DEL** with ◀▶



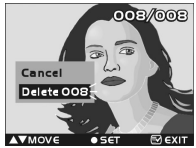
If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press the **OK** button to bring up Delete menu:**Delete One** and **Delete All**.



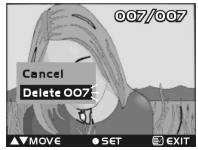
If press **Menu** button, the screen will return to **step 2**.

●**Step 4** Press **OK** button to confirm **Delete One**, then bring up current picture with Delete menu: **Cancel** and **Photo Number**.



If press **Menu** button, the screen will return to **step 2.**

●**Step 5** Press **OK** to confirm your deleting operations. The image shown on the display will then be deleted and the previous image comes up.



If press **Menu** button, the screen will return to **step 2.**

●**Step 6** Select **Cancel** to stop deleting operation and go back to the Playback Menu.

●**Deleting All Photos**

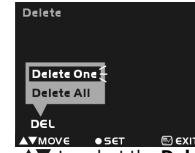
You may also choose to delete all the photos if the memory is already full and you want to free up the space to take more photos. But before you remove all photos, remember to transfer them to your computer.

●**Step 1** Make sure that the camera is in playback mode.

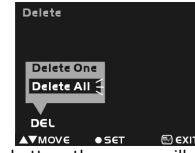
●**Step 2** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Press the **OK** button to bring up Delete menu: **Delete One** and **Delete All**, If press **Menu** button, the screen will return to **step 2.**



●**Step 4** Press ▲▼ to select the **Delete All** option on the menu screen.



If press **Menu** button, the screen will return to **step 2**.

●**Step 5** Press **OK** button to confirm **Delete All**, then bring up current picture with Delete menu: **Cancel** and **Delete All.**

If press **Menu** button, the screen will return to **step 2**.

●**Step 6** Press ▲▼ to select the **Delete All** option on the menu screen, and then press **OK** button to confirm the erasing operation again.

If you change your mind and do not want to continue deleting all the pictures, press ▲▼ to select **Cancel** on the menu screen. Then press the **OK** button. All your pictures will be retained.

●**Step 7** After all the pictures have been deleted, there is a message showing: **No picture**

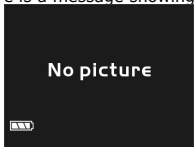


Image protect

Perhaps, you hope some images will not be deleted by accident, you can choose to protect specific photos taken in the digital camera.

●**Step 1** Make sure that the camera is in **playback mode.**

●**Step 2** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Use ◄► to select

●**Step 4** Press OK button to bring up **Protect Menu**.

If press **Menu** button, the screen will return to **step 3**.

●**Step 5** Press ▲▼ to select one image for protection.

●**Step 6** Press the OK button to protect current image, then icon will appear on right top corner of the image that you selected. This means the image has been protected.

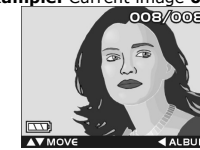
●**Step 7** If current image had been protected, you can press the **OK** button to unprotect it, and then icon will disappear on right top corner of the image that you selected. This means the image protection had been disabled.

If press **Menu** button, the screen will return to **step 3**.

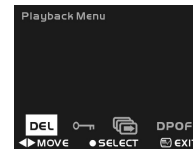
Slide Show

You can slide show all pictures previously taken with the digital camera.

●**Step 1** Make sure that the camera is in playback mode.
Example: Current image **008**.



●**Step 2** Press the **Menu** button to enter **Playback Menu**.

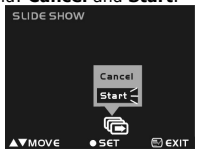


If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Use ◀▶ to move to

If press **Menu** button, the screen will return to **step 1**.

●**Step 4** Press **OK** button to bring up **Slide Show** Menu: **Cancel** and **Start**.



If press **Menu** button, the screen will return to **step 3**.

●**Step 5** Press ▲▼ to select the **Start** on the menu screen, and then press **OK** button to slide show all of your pictures.

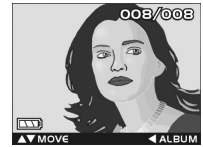
●**Step 6** Press **OK** button to stop slide show.

DPOF Function

Selecting DPOF option in Playback Menu can directly send your selected photo to the compatible printers that read DPOF (Digital Print Order Format) files.

●**Set All Pictures to DPOF file**

●**Step 1** Make sure that the camera is in playback mode.



●**Step 2** Press the **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Use ◀▶ to move to **DPOF**

If press **Menu** button, the screen will return to **step 1**.

●**Step 4** Press **OK** button to bring up **DPOF** Menu: **Set All** and **Set One**.

If press **Menu** button, the screen will return to **step 3**.

●**Step 5** Press ▲▼ to select **Set All** on the menu screen, and then press **OK** button to set all of your pictures, which would indicate print number 1 only, to **DPOF** files unless speicifc picture marked from following **Set Single Picture** process.

> ***Note:*** *All pictures, which had not been set to DPOF file, will be set to DPOF file, and print number is 1.*

You can reset all **DPOF** pictures by select **Reset All** and then press **OK** Button.

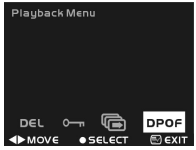
Set Single Picture to DPOF file

●**Step 1** Make sure that the camera is in playback mode.

●**Step 2** Press **Menu** button to enter **Playback Menu**.

If press **Menu** button, the screen will return to **step 1**.

●**Step 3** Use ◀▶ to move to **DPOF**

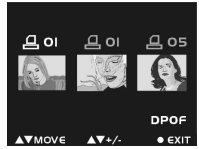


If press **Menu** button, the screen will return to **step 1**.

●**Step 4** Press **OK** button to bring up **DPOF** Menu: **Set All** and **Set One**.

If press **Menu** button, the screen will return to step 3.

●**Step 5** Press ▲▼ to select **Set One** option on the menu screen, and then press OK button to enter menu for setting single picture to DPOF file.



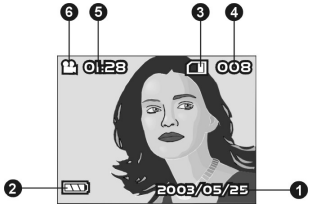
●**Step 6** Press ◀▶ to select single picture, use ▲▼ to adjust print number, number **zero** means this picture is not set in **DPOF** file.

●**Step 7** After setting single picture to **DPOF** file, press **OK** button to return to **Step 4**.

Movie Mode

Turn **Mode Dial** to **Movie Mode**

Status Identifier



1. Date (default is not display)
2. Battery Indicator
3. Card Indicator
4. Image Number
5. Movie Length
6. Movie Indicator

Recording Video (with voice)

With your camera, you can record short sequences of video (with voice) at a rate of 15 frames per second. The camera stores video in AVI format.

●**Step 1** Press once the **Shutter** button to start recording video. You will see live views of the subjects or scenes you are recording on the LCD Display.

●**Step 2** And while you are recording, a red icon blinks on the upper right side of the LCD Display. And disappears after you terminate the recording process. And the recording time counts up as you continue shooting.

●**Step 3** To stop recording, press the **Shutter** button again.

Recording Video with Self-timer

You can use **Self-timer** function for recording video clips, press **Menu** button to switch **Self-timer** on or off. When **Self-timer** set on, the icon will appear on center of LCD panel.

Self-timer function is same as in **Capture Mode**.

Hooking Up to Your Computer

You need to connect the camera to your computer's USB port to transfer photos into your computer. This section shows how you can connect the camera to your computer.
You must install the Dual Camera Driver from the software CD-ROM before connecting to ensure your computer functions properly with USB. See the section **"Installing Software"** for details on how to install the driver.

Using the Digital Camera as a Web Camera

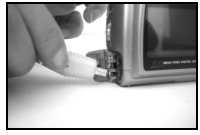
When you connect digital camera to your computer, you can use it as a Web camera. You can then join video conferencing sessions on the Internet with your camera. You need to install the Dual Camera Driver and required application softwares from the software CD-ROM before you can start using it as a Web camera. See the section **"Installing Software"** for installation instructions.

Using the camera as a Web camera, it also lets you capture video directly into your computer and editing or enhancing your videos. See the section **"Installing Software"** for installing instructions.

●**Step 1** Make sure the Camera loads two ”AA” batteries in the compartment.

●**Step 2** Turn **Mode Dial** to **Capture** , **Movie** or **Setup Mode** (Note: Make sure not to select the **Playback Mode**).

The USB Port is located in the Terminal Compartment on the left side of the camera.



●**Step 3** Connect the smaller end of the USB cable into the USB port of your digital camera.

Note: *Make sure to plug-in USB cable in right direction gently to avoid possible damage to USB connector.*

●**Step 4** Connect the other end of the USB cable to the USB port located on the back of your computer.

Using the Digital Camera as a Mass Storage drive

●**Step 1** Make sure the Camera loads two "AA" batteries in the compartment.

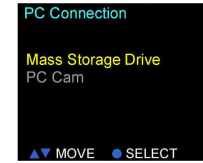
●**Step 2** Make sure to select **Playback Mode**.

● **Step 3** Connect the smaller end of the USB cable into the USB port of your digital camera.

> ***Note:*** *Make sure to plug-in USB cable in right direction gently to avoid possible damage to USB connector.*

●**Step 4** Connect the other end of the USB cable to the USB port located on the back of your computer.

The Camera's LCD Panel will turn on and enter **PC Connection** Menu.



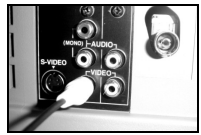
●**Step 5** Press ▲▼ to select **Mass Storage Drive** or **PC Cam** option on the menu screen, and then press **OK** button to enter menu for Using the Digital Camera as a Web Camera or a Mass Storage drive.

Hooking Up to Your TV/VCR

Connect your camera to a television if you want to have a larger view of your photos.

●**Step 1** Connect the black colored plug of the video output cable into the video out port in the Terminal Compartment on the left side of the camera.

●**Step 2** Connect the other end of the video output cable (the yellow plug) to the Video-in plug on your TV/VCR.



Note: *Locate the audio/video ports on your individual TV/VCR and insert the video output connector into the Video port.*

●**Step 3** On your television, select the channel for auxiliary video input.

Note: *Channels may vary by manufacturers; refer to your VCR's operating manual.*

System Requirements

At least refer to the minimum system requirements for the digital camera. We recommend that you use a computer system that exceeds the minimum requirements in order to utilize the camera at its optimum efficiency. The minimum system requirements for the digital camera is as the following:

System	Requirements
OS	Microsoft Windows 98SE/Me/2000/XP
CPU	Intel Pentium 166MHz or higher
Memory	Minimum 32 MB memory or above
CD-ROM	4X or above
HDD	10 MB free disk space (minimum)
Others	One standard USB 1.1 port

Note*:Before playing Video Clips(*.AVI file) ,make sure your PC has been installed with DirectX8.0 or higher, and installed sound effective card into your computer*

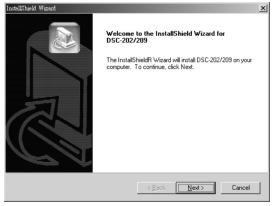
Installing Software

You can use the **PC Camera** and **Mass Storage** functions of the camera via PC. To install the proper camera driver, perform the following:

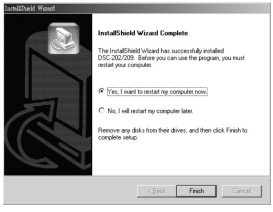
●**Step 1** Insert the software CD-ROM supplied with the package into the CD-ROM drive.

●**Step 2** The Auto-run program will be executed and the welcome screen appears:(If your CD-ROM drive doesn't support the auto-run function. Please double click on the **"My Computer"** icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

●**Step 3** Click on the drivers to install them, and the following screen will appear :


InstallShield Wizard
Welcome to the InstallShield Wizard for DSC-202/209
The InstallShield® Wizard will install DSC-202/209 on your computer. To continue, click Next.
< Back
Next >
Cancel

●**Step 4** Click **Next** to continue the setup program. After the camera driver installed successfully, a message will appear on the screen as following:


InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed DSC-202/209. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

●**Step 5** Click Finish to restart the computer and finish the driver installation.

Installing the Applications for PC

Install **Arcsoft Software** (Take Photo Impression Installation for example)

●**Step 1** Insert the software CD-ROM supplied with the package into the CD-ROM drive.

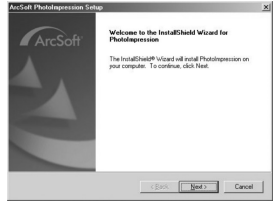
●**Step 2** The Auto-run program will be executed and the welcome screen appears:

(If your CD-ROM drive doesn't support the auto-run function. Please double click on the **"My Computer"** icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

●**Step 3** Click the **Arcsoft PhotoImpression** to install, and the screen will appear as following:

●**Step 4** Select the language for installation. Click **OK** to confirm your selection.

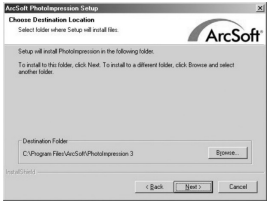
●**Step 5** You will see the Welcome screen. Click **Next** to continue.


ArcSoft PhotoImpression Setup
ArcSoft
Welcome to the InstallShield Wizard for PhotoImpression
The InstallShield® Wizard will install PhotoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel

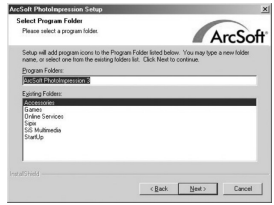
●**Step 6** Enter **Software License Agreement** window. Please click **Yes** to continue installation.

ArcSoft PhotoImpression Setup
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
End User License Agreement
The following is a legal software license agreement between you, the software end user, and ArcSoft, Inc. Carefully read this license agreement before using the product. Using the product indicates that you have read this license agreement and agree to its terms.
Grant of License. This license permits you to use one copy of the software included in this package on any single computer. For each software licenses, the program can be "in use" on only one computer at any given time. The software is "in use" when it is either
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PhotoImpression, you must accept this agreement.
InstallShield
< Back
Yes
No

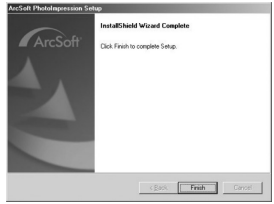
●**Step 7** Please follow the instructions of installation Wizard to select a destination folder and components you need.


ArcSoft PhotoImpression Setup
Choose Destination Location
Select folder where Setup will install files.
ArcSoft
Setup will install PhotoImpression in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ArcSoft\PhotoImpression 3
Browse...
InstallShield
< Back
Next >
Cancel

●**Step 8** Please select the program folder you want to install.



●**Step 9** When the installation is completed, the window below will appear. Click **Finish** to end the installation.



Appendix: Camera Specifications

- **Lens :** f=9.6 mm
- **Image Sensor :** 3.3 mega pixel CMOS sensor
- **Focus:** F/3.0
- **Sensitivity :** ISO 100
- **White Balance :** Auto, Sunny, Tungsten,Fluorescent.
- **Shutter:** Electrical
- **Shutter Speed :** 1/4 sec. ~ 1/2000 sec.
- **Storage Media :** 16MB Internal Flash Memory and SD / MMC Card Slot (supports max. 512MB card)
- **Image File Format :** JPEG for Still Image
  AVI for Motion Image
- **Image Resolution :**
  - 2720x2040(Firmware Interpolation Technology)
  - 2048 x 1536(Firmware Interpolation Technology)
  - 1600 x 1200
  - 1280 x 960
- **Digital Zoom :** 10-Step 4X Digital Zoom
- **Focal Range :** Standard: 1.2m ~ Infinity
  Macro: 15 ~ 20cm
- **Self-timer :** 10 sec. delay
- **PC-CAM Mode :** 20～30 fps. (320 x 240)
  15~25 fps. (640 x 480)
- **Flash Mode :** Auto, Red-eye reduction, Off
- **TV-OUT :** NTSC / PAL options
- **PC Connection :** USB (Ver. 1.1)
- **Movie File :** Recording 200 sec. continuous movie file with 320 x 240 format (16MB internal memory) , the movie length may extend if there is a memory card inserted.

- **Recordable Image Numbers (16MB) :**

		1280X960	1600X1200	2048X1536	2720x2040
16MB	Fine	32	21	13	6
	Normal	80	52	32	15

- **Power Supply :** 2 x "AA" alkaline Batteries or supports CRV-3.
- **Dimensions :** 93 x 56 x 38 mm
- **Weight :** About 120g (batteries excluded)